

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
(703) 746-4000

or Fax

JUN 03 2005

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All other correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

28581 7590 03/03/2005

DUANE MORRIS LLP
PO BOX 5203
PRINCETON, NJ 08543-5203

06/06/2005 MBERHE1 00000163 502061 10730541

01 FC:1501 1400.00 DA
02 FC:1504 300.00 DA
03 FC:8001 30.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Susan Barlett	(Depositor's name)
<i>Susan Barlett</i>	(Signature)
6-1-2005	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/730,541 12/08/2003 Peter A. Carruthers BAE-13 1505

TITLE OF INVENTION: COST-EFFECTIVE MEASUREMENT OF LARGE MACHINE CURRENTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	06/03/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
RO, BENTSU	2837	318-450000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 William H. Meise

2 Geoffrey H. Krauss

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

BAE Systems Controls, Inc.

Johnson City, NY

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies 10

- A check in the amount of the fee(s) is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-2061 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

William Meise by Woyeon Kouch
Reg. No. 42,763

Date 6-1-2005

Typed or printed name William H. Meise

Registration No. 24,763

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Carruthers

Docket No.

BAE-13

Application No.
10/730,541Filing Date
12/8/2003Examiner
Bentsu RoCustomer No.
28581Group Art Unit
2837Invention: **COST-EFFECTIVE MEASUREMENT OF LARGE MACHINE CURRENTS**

I hereby certify that this **PTOL-85 and transmittal; certificate of mailing; postcard**
(Identify type of correspondence)

is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope
addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on
6/1/2005
(Date)

Susan Barlett

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

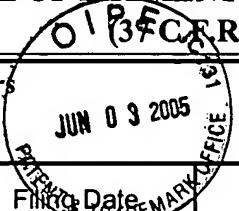
Note: Each paper must have its own certificate of mailing.

TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity)

Docket No.

BAE-13

Applicant(s): Carruthers



Application No. 10/730,541	Filing Date 12/8/2003	Examiner Bentsu Ro	Customer No. 28581	Group Art Unit 2837	Confirmation No. 1505
-------------------------------	--------------------------	-----------------------	-----------------------	------------------------	--------------------------

Invention: COST-EFFECTIVE MEASUREMENT OF LARGE MACHINE CURRENTS

Mail Stop Issue Fee
COMMISSIONER FOR PATENTS
 P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith are the following for the above-identified application.

Issue Fee Transmittal Form PTOL-85

Utility Fee: \$ 1400.00 Design Fee: _____ Plant Fee: _____

Publication Fee: \$ 300.00

A check in the amount of _____ is attached.

The Director is hereby authorized to charge and credit Deposit Account No. 50-2061 as described below.

Charge the amount of \$1,700.00

Credit any overpayment.

Charge any additional fee required.

Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

William Meise *by Wm. Joon Kouh*
 Signature Reg. No 42,763

Dated: 6/1/2005

William H. Meise
 Reg. No. 27,574
 Duane Morris LLP
 P.O. Box 5203
 Princeton, NJ 08543-5203
 609-631-2453

CC:

Certificate of Transmission by Facsimile
 This certificate may only be used if paying
 by deposit account.

Certificate of Mailing by First Class Mail

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States and Trademark Office (Fax No.) on

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

6/1/2005

(Date)

Signature of Person Mailing Correspondence

Susan Barlett

Typed or Printed Name of Person Mailing Correspondence